M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. 1st and final Bill

225919

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Technical Manager - (West) ICREDL

Date of commencement of work..... D.O. Recording :- 26/12/2018

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work	:	Improvements to Roads and drains at Babanna Layout colony Roads in Ward No. 12, in Shettyhalli sub Division in				
	Estimated cost	Rs :	50.00 Lakh				
	JOB. No	=	012-18-000050			P. code - P-1878	
	Work order No	=	EE/DD/WO/324/2017-18.			Dt. 22.03-2018	
1	Earthwork Excavation by manual means in ordinary soil						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	involving in average horizontal throw upto 2m and an average lift upto 1.5m, excavated surface levelled and sides neatly dressed, the deposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of Engineer-in-charge of work						
	Qty vide MB. no. 1787/13-1,14 ① p. no. 178647 689.35 m³ e 115.76/m³						12,368.41
2)	Providing and laying in position plain cement concrete M20 1:1.5:3 with opc cement e 15 to 20 kg/bag with 40mm and down size graded granite metal coarse aggregate e						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

225920

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	0.85 m³ and fine aggregate e 0.57 m³ mixed concrete laid in layers not exceeding 15cms thick well compacted in foundations including cost of all materials, labour, hire of machinery curing complete as per specifications and directions of Engineer in-charge of work.						
	qty vide MB. no. 1787/13-1,14 ② p. no. 178648 205 m³ e 5,559.02/m³						1,086,231.66
③	Providing and laying in position reinforced cement concrete						

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of design mix. M.20 with opc cement @ 320 kgs with 20mm and down size graded granite metal, coarse aggregate @ 0.69 m3 and fine aggregate @ 0.460 m3, with superplasticisers @ 3 ltr conforming to IS. 9103-1999 re-affirmed. 2008, machine mixed concrete laid in layers not exceeding 15 cms thick vibrated for all works in foundn for footings, pedestals, retaining walls, staircase, return walls, including all the steel plants, column, pier, abutments, pillars, posts, struts buttresses, string and band course etc complete as per specifications and directions of Engineer-in-charge of work.						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

225921

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(a)	for drain Bottom	qty as per mbs 1787 p.no. 178857			13-14	70.12 m³	
(b)	for drain side wall						
	Main Road - R/S	2×1	30.00	0.15	0.70	6.30 m³	
		2×1	17.10	0.15	0.70	3.59	
	1st Cross. R/S. Road 4/S	2×1	30.00	0.15	0.65	5.85	
		2×1	12.00	0.15	0.65	2.34	
	Cross-Road	2×1	33.30	0.15	0.65	6.49	
	2nd. Cross-Road -	2×2	30.00	0.15	0.68	12.24	
		2×2	12.50	0.15	0.65	6.38	
	3rd - Cross - Road	2×2	30.00	0.15	0.65	11.70	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	specifications and directions of Engineer in-charge of the work.						
	9th side MB no 1787/13-14						
	17 no. (3) P.No 17[illegible] 9.02 [illegible]						
	e [illegible] e					57,945.65	
	64243.42/Rm						
5)	Providing and laying reinforced cement precast slabs of mix c.c 1:1½:3 using 20mm nd down size graded granite metal using HYSD-10mm dia. steel 100mm c/c both ways, and complete as per specifications and directions of Engineer in-charge work.						
	Q1 - Babanna Lamani's Road - R/S	1	30.00	0.90	-	27.00	

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

225923

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross-Road - R/S	1	17.60	0.90	-	15.394	
		1	30.00	0.90	-	27.00	
		1	12.00	0.90	-	10.80	
	Cross - Road	1	33.30	0.90	-	29.97	
	2nd Cross - R/S	2×1	30.00	0.90	-	54.00	
		2×1	12.50	0.90	-	22.50	
	3rd Cross - Road	2×1	30.00	0.90	-	54.00	
		1×1	29.00	0.90	-	26.10	
	4th - Cross - Road	1	32.30	0.75	-	24.23	
		1	31.00	0.75	-	23.25	

24/1/2019

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	fix-concrete Ring	1	15.70	3.643/2	0.17	10.04	
		1	15.00	3.84+4.4/2	0.15	9.23	
	Cross-Road	1	15.00	2.3+2.0/2	0.17	5.48	
		1	16.00	2.0+1.0/2	0.15	3.60	
	2nd Cross-Road - R/S	1	15.00	5.6+6.7/2	0.17	15.68	
		1	15.00	6.7+6.7/2	0.16	16.08	
		1	12.00	6.7+6.7/2	0.16	12.86	
	Cross-Road	1	15.00	4.4+4.3/2	0.16	14.64	
		1	15.00	4.3+4.0/2	0.16	10.32	

29/1/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ.ವಿ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

225925

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2nd Cross-Road	1	3.30	4.3+4.3/2	0.15	2.13	
		1	15.00	4.4+4.0/2	0.15	9.11	
		1	15.00	4.0+4.0/2	0.15	9.00	
		1	12.50	4.0+4.0/2	0.15	7.50	
		1	12.00	3.00+3.0/2	0.15	5.40	
		1	11.30	4.0+4.0/2	0.15	[illegible]	
	C.D.3. [illegible]	2+1	5.60	0.35	0.70	2.35	
	2nd Cross-Road	2+1	4.10	0.35	0.70	2.01	
		2+1	3.80	0.35	0.70	1.86	

29/1/2019

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
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ಎಸ್.ಎಂ.ವಿ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	0.35	0.70	2.16	8
	Dado slab	2×1	4.40	0.35	0.70	2.16	
		1	3.60	1.30	0.25	1.17	
		1	4.10	1.30	0.25	1.33	
		1	3.80	1.30	0.25	1.23	
		1	4.40	1.30	0.25	1.43	
	dome slab m.19	2×1	24.00	0.15	0.65	4.68	
		1	5.60	0.50	0.15	0.42	
		1	4.10	0.50	0.15	0.31	
		1	3.80	0.50	0.15	0.28	
		1	4.40	0.50	0.15	0.33	
						155.124	
					44%	155.107	
					@	5508.82/m	854497.98

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚೆಬಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

225926

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
5)	Vacuum-de-watering with vacuum pumped dewatering mat and compacting with steel floats clubbed with floating disc - including cost of generator, storage machinery, screed, vibrator, power floats, hand held disc etc with lead and lift.						
a)	C.C. Road - 4%	1	15.90	3.60+3.80/2		58.83	
		1	15.00	3.8+4.0/2		61.50	
b)	Cross-Road	1	15.00	2.3+2.0/2		32.25	
		1	15.00	2.0+1.0/2		24.00	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚೆಬಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CC - 2d Cross - Ru	1	15.00	5.60+6.70 / 2		= 92.25	
		1	15.00	6.70+6.70 / 2		= 100.50	
		1	12.00	6.7+6.7 / 2		= 80.40	
	d. Cross - Row	1	15.00	4.4+4.3 / 2		= 65.25	
		1	15.00	4.3+4.3 / 2		= 64.50	
		1	2.30	4.3+4.3 / 2		= 14.19	
	CC - 2nd Cross - Ru	1	15.00	4.1+4.0 / 2		= 60.75	
		1	15.00	4.0+4.0 / 2		= 60.00	
		1	12.50	4.0+4.0 / 2		= 50.00	
		1	12.00	3.0+3.0 / 2		= 36.00	
						840.42 m²	76320.00

Total 840.42 m²
@ 90.40/m²

Checked

26/12/2018

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಿಕ್ಕಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಸಿ.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Audited and admitted for Rs. 4998139-00
Passed by Cheque for Rs. 4436878-00
(.....)
Serial No. .....
Name of work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....
Date of completion of work .....
Accounts Superintendent
B.B.M.P. Dasarahalli Division

M. A. R. 57
Measurem

No. D

225927

Serial No. — 561361-00

Name of work ..... From ..... To .....

by adjustment

Executive Engineer

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total - Rs.		45,02,828.60
			Add	10%	Charge (11%)		4,95,311.15
					Grand Total		49,98,139.75

Certificate

(1) Certified that the contractor has work done satisfactorily

(2) the contractor has removed the debris from site.

(3) there is no any dept. matters issued to contractor

26/12

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಚಿಕ್ಕಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಸಿ.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

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